0053

Incoming Closs 10032

From:

Priscilla Burton

To:

Pam Grubaugh-Littig

Date:

10/24/2007 3:04 PM

Subject:

Re: Plugging of Crandall Canyon Mine rescue holes.

**Attachments:** 

plugging logs\_20071024144051.pdf

CC:

Daron Haddock; Wright, Mary Ann

Pam,

DOGM has not received a certified drillers report yet. We have received copies of the drillers field notes (attached). These notes are in the SLC mail that Pete will deliver tomorrow.

Sue Wiler of the BLM witnessed the plugging of the BLM holes 3 & 4 on Saturday October 13. DOGM was not present during plugging of holes 3 & 4. However, I was present on October 11, 12, 14, and 15 for plugging of the holes: #1, #2, #5, #6 and #7. (#7 and #2 were into BLM coall) I carried a copy of the approved plugging plans and refered to it as the holes were plugged. (I will be writing an inspection report, but have been delayed by our recent office move.)

For each hole, trim pipe was lowered down until it met an obstruction, then the trim pipe was used to ram the obstruction. According to plan, if the obstruction could not be forced down the hole, the hole was sealed from that point upwards with bentonite and cement. The approved plan made an exception for hole #2 which was filled "with a gravity feed" from the surface.

Please relay this information to Jim Kohler and John Blake.

Priscilla

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MFG.					D.C. R.R. O.D.	F.T.				WL-CC'S	ļ		DEPTH OF		IN
TYPE					D.C. O.D.	F.T.				PH ·			CEMENT GRO	UT	
SER. NO.				$\dashv$	R.R. O.D.	E.T.			•	SOLIDS% TEMP.		++	WELL SCREE	F.T	IN.
DEPTH OUT				$\dashv$	D.C.	F,T.	-			WALL CAKE		+	IN HOLE	•	ĺ
TOTAL FTG.				+	D.C.	F.T.				WALL OF SILE	<del> </del>			F.T.	IN.
TOTAL HRS.				十	R.R. D.C. R.R.	$I^-$					<u> </u>	<del>                                     </del>	CASING IN HOLE	è	
				7	n.n.						<u> </u>			į.	
BIT NO.													DEPTH OF	F.T.	IN.
SIZE		<del></del>		_	TOTAL					TIME			GRAVEL		
MFG.				_	OF STRING				3S.	SURV DEPTH OF	EY INF	ORMATIO		F.T.	IN.
TYPE		***		) WT	OF STRING LES	S RODS			BS.	SÚR. DEPTH OF		DEVIATION	DEPTH OF TRIM PIPE		
SER. NO.					D. WEIGHT ON BI	т			3S.	SUR. DEPTH OF		DEVIATION		ET.	IN.
DEPTH OUT					PRESSURE				-	SUR. DEPTH OF SUR.		DEVIATION	INTERMEDIAT		
DEPTH OUT DEPTH IN				_	TUAL WEIGHT OF	BIT		Ų	3S.	DEPTH OF SUR.		DEVIATION			
DEPTH IN				T,	emarks:					20.0	· ••••			r, f,	IN.
DEPTH IN															
TOTAL FTG. TOTAL HRS.					* -										
TOTAL FTG. TOTAL HRS.															
TOTAL FTG. TOTAL HRS. SHOCK SUB #		P													
DEPTH IN TOTAL FTG. TOTAL HRS. SHOCK SUB # DEPTH OUT															
											·····				
DEPTH IN TOTAL FTG. TOTAL HRS. SHOCK SUB # DEPTH OUT DEPTH IN TOTAL	Booster		_ Hrs. Extra	Comp			San	npling F	Perform	ned	Driller's Na	in Na	regerow	Hrs.	
DEPTH IN TOTAL FTG. TOTAL HRS. SHOCK SUB # DEPTH OUT DEPTH IN TOTAL HOURS		ater	_ Hrs. Extra _ Hrs. Cat	Comp			San	npling F		ned	Driller's Ne Helper's Ne	M Na	ickard	Hrs.	
DEPTH IN TOTAL FTG. TOTAL HRS. SHOCK SUB # DEPTH OUT DEPTH IN TOTAL HOURS	lauling W		Hrs. Cat	·			San	npling F		ned	Driller's Na Helper's Na Helper's Na	Man Name And Report of the American Ame	ickard		
DEPTH IN  TOTAL FTG.  FOTAL HRS.  BHOCK SUB #  DEPTH OUT  DEPTH IN  FOTAL HOURS  Hrs. E  Hrs. E	lauling W			oump			Sam				Driller's Na Helper's Na Helper's Na	••••ĴUST	ickard	Hrs.	

BOART LONG	YEAR DA	ILY DRILLING RE	POR	T	RIG#		Lc	7. 7	g.	1.00	in a	# 447A	ľ	MATE 1/2-/2	-0	7
	. A * (* 13.9 B) 3.79				The same of the same of				. 10 . 110	PRO	DJECT:	3520	2 <del>-</del> -	iate 10-13. 1469	· .	
Daily Start time:	1,00	Noon P.M.	start	time:	1,0	10		Noc	(P.M			sen,				Va.
iole No.	3	Depth Toda	¥	22	2.7	193		Dept	h Yes	terday		I	otal l	odiled		
FROM		то						e 14		ACT	IVITY	<del></del>				
6:45		7:00	P	, <del>, -</del> - :	1:4	4	-11		1.	•	$\mathcal{P}_{-}$	Task	,	Analysis		٠.
7:00		8.45			37/1		<u>4</u>	50 E	1	-++ 2 .		1436			//	,
8:45		9:15	1~	100c	<u> </u>	1110	*	<u> </u>	0/4	#3:	<u>&gt;= T</u> 1 - 1	up to	96	UZZ tay	to k	ووي) مار
9:15		10:15	<b>┼</b>	0/49		0/4	_	1	rom	22'-	- 5	. ,			-	7
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uantity 7	Size	Material N	lame			Þ	Ę	Quar	tity	s	izo	Mate	rial	Mama	E	П
		<b></b>		•		BOART	CLIENT								BOART	
	250	Olb, Cement		1 .	11.1	-	0									Ľ
		Ulli Cement	1 = 3	sand	Hore	1					-				-	╁
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15'	2"	Fibe-al	كالم	5 p	ije	V										
		Rubber	PI.	•		1				<u> </u>					ļ	ļ
100	BIT REC	CORD		No. D	RILLIN	G A	SSEI	<b>Vi.</b> (at er	d of hou	r) l	MUD RI	CORD	. 60	WELL CONSTR	UCT	10
HT NO.	1 40			80	r	E.T.			i .	WEIGHT				SURFACE PIPE IN HOLE		
SIZE				51	B O.D.	E.T.				VISCSEC.				1		
AFG.				D.C R.E	R. 0,0.	F.T.		 الأسمار الذ	7 *	WL-cc's				DEPTH OF	F.T.	. 11
TYPE	1	p:15		6.		F.T.				PH				CEMENT GROUT		
ER. NO.	E.			F D.C	R. O.D.	F.T.				SOLIDS%				and the same	F.T.	
DEPTH OUT				D.C R.S	R. O.D.	E.T.			نجر	TEMP.	17		100	WELL SCREEN IN HOLE		<u> </u>
DEPTH IN				D.C R.F	R. O.D.	F.T.:		+ H		WALL CAKE				11111022		
TOTAL FTG.		<u> </u>		P.F						ļ				CASING	F.T.	11
TOTAL HRS.			]	D.C R.F		L			! !					IN HOLE		
		·				ļ						ļ			F.T.	,,
BIT NO.	4.		$\dashv$						-					DEPTH OF GRAVEL		
AFG.	<del></del>		-	WT. OF S	TAL			-₹3t		TIME	-			* **		
TYPE			$\dashv$		TRING LES	S BODS		,	BS.	DEPTH OF	ETIME	DEVIATION	אכ	DEPTH OF	f.T.	11
SER. NO.			$\dashv$	RPM						SUR. DEPTH OF		DEVIATION		TRIM PIPE	•	
DEPTH OUT			-		IGHT ON BI	т			BS.	SUR. DEPTH OF		DEVIATION			F.T.	11
DEPTH IN			$\dashv$	AIR PR						SUR. DEPTH OF		DEVIATION	<del>                                     </del>	INTERMEDIATE CASING		Γ
OTAL FTG.		7			MEIGHT ON	BIT			BS.	SUR. DEPTH OF		DEVIATION	<u> </u>	1	_	
TOTAL HRS.		,		Remark						SUR.	<del></del>	1	<u> </u>	I	F.T.	11
			$\dashv$						-	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~						
SHOCK SUB #																
DEPTH OUT			1		<del></del>											
DEPTH IN			7		<del></del>				<del> </del>							
TOTAL HOURS			_													
			1								1	5. A1			145	4
	oster	Hrs. Extr	a Coi	mp.			Sam	pling	Perfor	med	Orllier's Na	me D.	uca L	Hrs.	IUX	<u>t</u>
Hrs. Bo		rHrs. Cat						by E	oart		Helper's N	sh Kid	D	Hrs.	144	<u>-</u> !
Hrs. Bo	uling Wate								i		~	LUBBA	100	SMall Hrs.	1112	<u>.</u> .
	-	Hrs. Mud	l Pur	np .						• • • • • • • • • • • • • • • • • • • •	Helper's N	ime:	100			
Hrs. Ha	-	Hrs. Mud		•		,	Yes_		No_		Helper's N			IOURS (If Applies)***		

	DAILY DRILLING REP	17.00	Rigi	140	-18			10 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		DATE 10-13	·Ø	7
Daily Start time:	Midnight A.M. Di Noon P.M. St	80 FM - 1	ne:		Midnig No	nt A.M on P.M	PROJ	ЕСТІ З :- С <b>~</b>	520: n W			
Hole No.	Depth Today		33'		Dep	th Yes	terday			Drilled		
FROM	TO						ACTIV	ITY				
10:15	10:45	se:	t-up	01	Hele	#	4 Tag	@ 33	3' to	y to knock on	+ 6	مارا
10:45	12:15	plu	g hole	· Co	om 3	3'-	- 0			<del>/</del>		
12:15	4:00	cle	Can-u	ر م	Mout	4	o hole	, #(	0			
4:00		tak	e off	fro	nt D	rive	line an	d Hub	5 f	on LX-61		
		whi	le h	dpe.	-5 h	ook	up Wire	eline	to	rane and	tag	
	7:15	hol	e #	Le C	2 2	36	unhool	Luire	line	set up to a	ban	dor
					-	ļ						
						-						
1				11				·			<del></del>	
Quantity Siz	e Material Na	me		BOART	Qua	ntity	Size	• •	/laterial	Name	BOART	CLIENT
40 0799	9-16-11-11-11-11-11-11-11-11-11-11-11-11-			m   i	<u> </u>					·	8	귱
<b>B</b> 24 5	500 lb. Com			1	_						↓	
15'	2" Fiberg	la 5:5	Place	1	<del>di</del>						+-	
	" Rubber	plug	<i></i>	1								
						<u>.</u>	-marile			101		_
BIT R	ECORD	No.	DRILLIN	NG ASS	EM. (at e	nd of hour	MU	D RECOR	D	WELL CONSTR	UCT	ON
BIT NO.		-	ви	F.T.			WEIGHT			SURFACE PIPE IN HOLE		
SIZE		-	STB O.D	ET.		<u> </u>	VISCSEC.					
MFG.	Carrier Jan Land		R.B. O.D	F.T.		<u> </u>	WL-CC'S	ĺ		DEPTH OF	F. 1.	IN.
TYPE		" i				1	lou i			CEMENT COOLS		
SER. NO.	Facto May		D.C.	ET			PH SOLIDS%			CEMENT GROUT		
SER. NO.	Inde Mag		D.C. R.R. O.D. D.C.	F.T.			<del> </del>			CEMENT GROUT	F.T.	IN.
SER. NO.	have Ming		D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D.				SOLIDS%		·		f.t.	IN.
SER. NO. DEPTH OUT DEPTH IN			D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R.	F.T.			SOLIDS% TEMP.			WELL SCREEN IN HOLE		IN.
SER, NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.	rade play		D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C.	F.T.			SOLIDS% TEMP.			WELL SCREEN		-
SER. NO. DEPTH OUT DEPTH IN TOTAL FTG. TOTAL HRS.			D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R.	F.T.			SOLIDS% TEMP.			WELL SCREEN IN HOLE	F.T.	-
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.			D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R.	F.T.			SOLIDS% TEMP.			WELL SCREEN IN HOLE	F.T.	in.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE		WT. (	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R.	F.T.	1	BS.	SOLIDS% TEMP. WALL CAKE	INFORMA	ATION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF	F.T.	łN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.			D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. D.C. R.R. TOTAL	EI.		BS.	SOLIDS% TEMP. WALL CAKE TIME SURVEY DEPTH OF SUR.	INFORM.		WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF	F.T.	łN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.		WT. C	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. R.R	F.T.	ı	BS.	SOLIDS% TEMP. WALL CAKE TIME SURVEY DEPTH OF SUR, DEPTH OF SUR,	DEVIA	TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL	ET.	IN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.  DEPTH OUT		RPM	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. TOTAL  PF STRING LES  WEIGHT ON BI	F.T.	ı	<del></del>	SOLIDS% TEMP. WALL CAKE  TIME SURVEY DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR.	DEVIA DEVIA	TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE	F.T.	IN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.  DEPTH OUT		RPM HYD.	D.C. R.R. O.D. O.C. R.R. O.D. O.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. D.C. R.R.  TOTAL  PSTRING LES  WEIGHT ON BI  PRESSURE	F.T. F.T. F.T. F.T.	i i	BS.	SOLIDS%  TEMP.  WALL CAKE  TIME  SURVEY  DEPTH OF SUR.  DEPTH OF SUR.  DEPTH OF SUR.	DEVIA  DEVIA	TION TION TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE	ET.	IN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.		WT. C RPM HYD. AIR MUD ACTL	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. TOTAL  PF STRING LES  WEIGHT ON BI	F.T. F.T. F.T. F.T.	i i	BS.	SOLIDS% TEMP. WALL CAKE  TIME SURVEY DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR.	DEVIA DEVIA	TION TION TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE	ET.	IN.
DEPTH OUT DEPTH IN TOTAL FTG. TOTAL HRS.		WT. C RPM HYD. AIR MUD ACTL	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. D.C. R.R. D.C. R.R.  TOTAL  DF STRING LES  WEIGHT ON BI  PRESSURE	F.T. F.T. F.T. F.T.	i i	BS.	SOLIDS%  TEMP.  WALL CAKE  TIME  SURVEY  DEPTH OF SUR.  DEPTH OF SUR.  DEPTH OF SUR.	DEVIA  DEVIA	TION TION TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE	ET.	IN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.		WT. C RPM HYD. AIR MUD ACTL	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. D.C. R.R. D.C. R.R.  TOTAL  DF STRING LES  WEIGHT ON BI  PRESSURE	F.T. F.T. F.T. F.T.	i i	BS.	SOLIDS%  TEMP.  WALL CAKE  TIME  SURVEY  DEPTH OF SUR.  DEPTH OF SUR.  DEPTH OF SUR.	DEVIA  DEVIA	TION TION TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE	ET.	IN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.		WT. C RPM HYD. AIR MUD ACTL	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. D.C. R.R. D.C. R.R.  TOTAL  DF STRING LES  WEIGHT ON BI  PRESSURE	F.T. F.T. F.T. F.T.	i i	BS.	SOLIDS%  TEMP.  WALL CAKE  TIME  SURVEY  DEPTH OF SUR.  DEPTH OF SUR.  DEPTH OF SUR.	DEVIA  DEVIA	TION TION TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE	ET.	IN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.		WT. C RPM HYD. AIR MUD ACTL	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. D.C. R.R. D.C. R.R.  TOTAL  DF STRING LES  WEIGHT ON BI  PRESSURE	F.T. F.T. F.T. F.T.	i i	BS.	SOLIDS%  TEMP.  WALL CAKE  TIME  SURVEY  DEPTH OF SUR.  DEPTH OF SUR.  DEPTH OF SUR.	DEVIA  DEVIA	TION TION TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE	ET.	IN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.		WT. C RPM HYD. AIR MUD ACTL	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. D.C. R.R. D.C. R.R.  TOTAL  DF STRING LES  WEIGHT ON BI  PRESSURE	F.T. F.T. F.T. F.T.	i i	BS.	SOLIDS%  TEMP.  WALL CAKE  TIME  SURVEY  DEPTH OF SUR.  DEPTH OF SUR.  DEPTH OF SUR.	DEVIA  DEVIA	TION TION TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE	ET.	IN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL FTG.  TOTAL HRS.		WT. C RPM HYD. AIR MUD ACTL	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. D.C. R.R. D.C. R.R.  TOTAL  DF STRING LES  WEIGHT ON BI  PRESSURE	F.T. F.T. S RODS	i i	BS. BS.	SOLIDS% TEMP.  WALL CAKE  TIME  SURVEY DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR.	DEVIA  DEVIA	TION TION TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE	ET.	IN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.	Hrs. Extra (	WT. C RPM HYD. AIR MUD ACTL	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. D.C. R.R. D.C. R.R.  TOTAL  DF STRING LES  WEIGHT ON BI  PRESSURE	F.T. F.T. S RODS	umpling i	as. as. Perforn	SOLIDS% TEMP.  WALL CAKE  TIME  SURVEY DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR.	DEVIA DEVIA	TION TION TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE  INTERMEDIATE CASING	RT.	IN.
SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL HRS.  BIT NO.  SIZE  MFG.  TYPE  SER. NO.  DEPTH OUT  DEPTH IN  TOTAL FTG.  TOTAL FTG.  TOTAL HRS.  SHOCK SUB #  DEPTH OUT  DEPTH IN  TOTAL HRS.  Hrs. Booster	Hrs. Extra (	WT. C RPM HYD. AIR MUD ACTL Rei	D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. O.D. D.C. R.R. D.C. R.R. D.C. R.R. D.C. R.R.  TOTAL  DF STRING LES  WEIGHT ON BI  PRESSURE	F.T. F.T. S RODS	i i	as. as. Perforn	SOLIDS% TEMP.  WALL CAKE  TIME  SURVEY DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR. DEPTH OF SUR.	DEVIA  DEVIA  DEVIA  DEVIA  DEVIA	TION TION TION TION TION TION TION	WELL SCREEN IN HOLE  CASING IN HOLE  DEPTH OF GRAVEL  DEPTH OF TRIM PIPE  INTERMEDIATE CASING	ET.	IN.

OART LONGYEAR	DAILY DRILLING REP	ORT	RIG#	17	Z+18	<b>f</b>		73.W.J		DATE 10-12-	07	- 15
aily	Midnight A.M. Da			Service Services	100	H A.M.	PRC	JECT:		-1469	5. Y.	
tart time:	Noon R.M. St	(現在) コカテル				on P.M.	10.00	100	sen h			
ole No. 5	Depth Today	4	35°C	on GL	Dep	th Yest	erday		Tol	at Drilled	-	
FROM	то						ACT	IVITY				
(o:45	7:60	Pe-s	1:ft	ins	aec-	ian	Pre	1	- L 1	nalysis		•
7:00	9:00	Civ	LC-	18		-	,	1 207	<u>&gt;                                    </u>	MAIYSIS		
9:00	10:00	s.t	- up 1			20	ana	ΙΔΙ	J	_	,	
10:00	3:45	Pluce	ine	Hole		DG	and	~ ~ ~	m nover	<u> </u>		
3:45		1195	5	x er		lost	m r	rad	to H	ole #3 1	. 1 .	
	7:00	Win	ich	Tru	1	N.		1000	1	ole #3, 1.		
				4		-	7	1030	1	Crarpe		
	•											
	·											
uantity Siz	e Material Na	me		F F	Qua	ntity	8	ize	Mater	ial Name	E	Ę
<b>24</b> 5	5016. Holeplan			BOART		-					BOART	CLIENT
	Olb. Abanton	ite										Ī
	50016, Cenen	+		1								<u> </u>
				$\vdash\vdash$	<del> </del>					·	┿	-
										The state of the s	+	-
BIT	RECORD	No.	DRILLIN	G ASS	EM. (at e	and of hour)		WUD RE	CORD	WELL CONST	RUCT	ON
IT NO.			BIT	F.T.			WEIGHT		\ \	SURFACE PIPE		
ZE			STB O.O.				VISCSEC.			IN HOLE		
FG.			D.C. R.R. O.D.				WL-CC'S			DEPTH OF	F.T.	IN.
YPE			D.C. O.D.	F.T.			PH	ļ		CEMENT GROU	T .	
ER. NO.			R.A. O.D. D.C.	F.T.			SOLIDS%				F.T.	IN.
EPTH OUT	:		R.R. O.D. D.C.			1	TEMP. WALL CAKE			WELL SCREEN IN HOLE		
OTAL FTG.			R.R. O.D. D.C. R.R.	F.T.			WALE GAVE		<u> </u>		E.T.	IN.
OTAL HRS.			H.H. D.C. R.R.							CASING IN HOLE		
IT NO.										DEPTH OF	F.T.	IN.
IZE			TOTAL				TIME	EX 1015		GRAVEL		
FG. YPE	-		STRING STRING LESS	S RODS		LBS.	DEPTH OF	EY INF	DEVIATION	DEPTH OF	F.T.	IN.
ER. NO.		RPM					SUR. DEPTH OF SUR.		DEVIATION	TRIM PIPE		
EPTH OUT		HYD. W	VEIGHT ON BI	г .		Les.	DEPTH OF SUR.		DEVIATION	INTERMEDIATE		íN.
EPTH IN	4	AIR MUD	PRESSURE				DEPTH OF SUR.		DEVIATION	CASING		. '
OTAL FTG.		ACTUA	L WEIGHT ON	BIT		LBS.	DEPTH OF SUR.	,	DEVIATION		ET.	IN.
OTAL HRS.		Rem	arksı	· A	· .	ļ	····					
носк		11	aggeo	B.	cidge	0	43:	5	hugged	I Hole from 4	/35 -	10
UB# EPTH OUT		-			•		<del>-</del>					
EPTH IN		+										
OTAL OURS		1				-						
	–	<del></del>						Tin	Nan	56/ (07 ) H	. 143	4
Hrs. Booster	Hrs. Extra	Comp.		Sa Sa		Perform	ned .	Driller's Na	Rick	ard H	s. /4/	4
Hrs. Hauling W		Division			by	Boart .		Helper's Na	me Dea	snall H	s. 14.	4
Hrs. Backhoe	Hrs. Mud	rump		l	14.5	1		respers ive		* · · · · · · · · · · · · · · · · · · ·		٠.
Hrs. 6" Pump (	or 2)Hrs. Mud	T		Yes		No_			*** II IQT	IFY HOURS (If Applies)***	-	

BOART LONGYEA	R DAILY DRILLING F	EPORT	Rigg	9	10	j,	•			4.707	* Ja	DATE 1/0-/4-	AT.	7.0%
Dally Start time: 70	Middle Labor Rose							PR	OJECT	352	Ø.,	1469	100	
Hole No.	Daniel Ta		100			100		terday	ME:	Gen		Drilled		1
FROM	То					1		AC	TIVITY	1 11			-	
10:30	7;15	2110	L.I	<b></b>		>7	11		2	· * 1		+1. /		•
7:15	8:15	01.	ck-out	1/2	PA	C	et 2	36'-	- 1	4	pre	task analy	2/3	
8:15	10:30	17/	g no		t -			عاد	0	<del></del>		/ //	77	
		7.75	an Mi			load	-4/	p eq	aipa	cn1	M	ove to hole		
• • • • • • • • • • • • • • • • • • • •														
Quantity. S	Size Material	Name		BOART	CLIENT	Quan	ity		Size	Mat	erial	Name	BOART	CLIENT
	50 lb. 3/4" He	leplug		1									-	
36	50/b. Aban	tonite		1										_
15'		place o	ise	1	<u> </u>				7				_	-
i _	7" Rubbe	Plu	<i>17</i> -										-	-
ВІТ	RECORD	No	. DRILLIN	IG A	SSEI	Ma (at énc	of hour		MUD RI	CORD		WELL CONSTRU	ICT.	ON
BIT NO.			BIT	ET.		•		WEIGHT	T	T		SURFACE PIPE	-	-
SIZE			STB O.D.					VISCSEC.		<b>†</b>	-	IN HOLE		
AFG.			D.C. R.R. O.D.	F.T.				WL-CC'S				DEPTH OF	F.T.	IN.
YPE	. 7		D.C. 0.D.	E.T.				РН				CEMENT GROUT	-	
SER. NO. DEPTH OUT	£	-+	R.R. O.D. D.C.	ET.				SOLIDS%					F/T.	IN.
PEPTH IN			R.R. O.D. D.C.	T				TEMP.	<del> </del>	+		WELL SCREEN IN HOLE		
OTAL FTG.			D.C. R.R.	F.T.				WHILE OFFICE	<del> </del>	1			F.T.	IN.
OTAL HRS.			D.C. R.R.						1	<u> </u>		CASING IN HOLE		
		_										1		
SIT NO.				ļ								DEPTH OF GRAVEL	F.T.	IN.
IFG.	· · · · · · · · · · · · · · · · · · ·	WT	TOTAL OF STRING	L		LBS		TIME				GRAVEL	±.,	
YPE			OF STRING LES	S RODS	<u> </u>	LBS		DEPTH OF SUR.	CY INF	DEVIATION	JN .	DEPTH OF	F.T.	1N.
ER. NO.		RPM						DEPTH OF SUR.		DEVIATION		TRIM PIPE		
EPTH OUT			. WEIGHT ON BI	г		LBS		DEPTH OF SUR.		DEVIATION	Ι.	INTERMEDIATE	F.T.	IN.
EPTH IN			PRESSURE			$ \Box$		DEPTH-OF SUR.		DEVIATION		CASING		.
OTAL FTG.			UAL WEIGHT ON	BIT		LBS		DEPTH OF SUR.		DEVIATION	•		F.T.	IN.
OTAL HRS.		- R	marke:											
HOCK		-												_
EPTH OUT														$\dashv$
EPTH IN		$\neg$		~										$\dashv$
OTAL OURS				-,L-,				<del></del>						
Hrs. Booster	Ura Fu	ra Come			Ö~	nlin - I	,	a d	1	m 1	Jan.	CALTON Hrs.	43	4
Hrs. Hauling V	Hrs. Ext Atter Hrs. Cat				oam	pling Pe		iea	Driller's Nam	sh K	ick	,,,,,	143	4
Hrs. Backhoe						by Bo	ar(		Helper's Na Helper's Na	illion	Pea	snall Hrs.	143	4
ind. Dacking	Hrs. Mu	a rump	1											
Hrs. 6" Pump (	or 2)Hrs. Mu	d Tank	1	V	es_	1 -	No			***JUS	TIFY H ting Fu	OURS (If Applies)***		- 1

BOART LONGYEA	R DAILY DRIELING R	PORT RIG	# /*	LC-I	8		DATE //0/	1-0
Paily Start time: 7'60	Midnighte <u>A.M.</u> Ó Noon P.M.			Midnigt	t A.M. PI	ROJECT: 3580 AME: GCH (	-14161	
Hole No. 7	Depth Tod	ay 🥍		Dep	h Yesterday		otal Drilled	
FROM	то			1	AC	TIVITY		
10:30	11:00	1	. 1	11-11				
11:00	12,00	307.10	on t	6/e 4	7 tag .	<b>2</b> 7/		
12:00	12:45	pang h	0/8	1	14-0		, ,,,,	
12,00	12112	clean m	ixer	, load	up cran	e, Move	to Hole #Z	
	-							
		<del> </del>						
	<u> </u>	<u></u>	7				***************************************	
Quantity 5	Size Material	Name	BOART	CLEN	itity	Size Mate	erial Name	FOACO
24 26			8	링				_   8
5	5016, Holey 250016, Cen	lug	V					
15'	2500 lbs Com.		1					
<u> </u>	7" Fiberg	less Pipe	12					-
	LANOT?		+ +		<del></del>		*****************	+
RIT	RECORD	No. DRILL	ING AS	SEM		MUD RECORD	Twee cons	
BIT NO.	THEODIE			ocm. (at.e	WEIGHT	MOD RECORD	WELL CONST	
SIZE		BIT	F.T.		VISCSEC	<del></del>	IN HOLE	
MFG.		D.C.	D. F.T.		WL-CC'S			F.
TYPE			LD. F.T.		PH		DEPTH OF CEMENT GROU	
SER. NO.	·	D.C.	.D. F.T.		SOLIDS%	1 1		•
DEPTH OUT		D.C.	D. F.T.		TEMP.		WELL SCREEN	F.
DEPTH IN		D.C.	.D. F.T.	-	WALL CAK	E	IN HOLE	•
TOTAL FTG.		D.C. R.R.						F.
TOTAL HRS.		D.C. R.R.					CASING IN HOLE	
BIT NO.							DEPTH OF	
SIZE		TOTAL			TIME		GRAVEL	
MFG.		WT. OF STRING	F00 D0		DEPTH OF	VEY INFORMATION	DEPTH OF	F.
TYPE SER. NO.		WT. OF STRING L	ESS HODS	·	DEPTH OF	GEVIATION	TRIM PIPE	
DEPTH OUT		HYD, WEIGHT ON	BIT		SUR. DEPTH OF	DEVIATION		E.
DEPTH IN		AIR PRESSURE			DEPTH OF	4	INTERMEDIATE CASING	
TOTAL FTG.		ACTUAL WEIGHT			SUR.  DEPTH OF SUR.			
TOTAL HRS.		Remarks:			, SUH.		L	<u>F.</u>
						<u> </u>		
SHOCK SUB #								
DEPTH OUT						<u> </u>	· · · · · · · · · · · · · · · · · · ·	
DEPTH IN								
TOTAL HOURS								
	Hrs. Ext	ro Como	] ,	omeli	Darforms '	Tim 1	lancarras .	rs.
Hre Booster	nis, £Xt		'		Performed		ckard .	irs.
Hrs. Booster	Motor II O-			by £	οαπ	Helper's Name	Peasnall .	irs.
Hrs. Hauling				•		William	1003nall	ITS.
	Hrs. Mu	d Pump		es	No	Helper's Name	TIFY HOURS (If Applies)***	